THE INSTITUTION OF WATER AND ENVIRONMENTAL MANAGEMENT

SUBJECT AND AUTHOR INDEX TO THE JOURNAL, VOLUME 3, 1989

THE INSTITUTION OF
WATER AND ENVIRONMENTAL MANAGEMENT
15 John Street, London WC1N 2EB,
England

Subject Index

Keywords arranged according to the Aqualine Thesaurus

ACIDIFICATION 1989, 3, 288
ACTIVATED CARBON 1989, 3, 174
ACTIVATED SLUDGE 1989, 3, 75
1989, 3, 262
ADMISSIONS TO MEMBERSHIP 1989, 3, 1
1989, 3, 99
1989, 3, 217
1989, 3, 313
ADSORPTION 1989, 3, 174
AERIAL SURVEYS 1989, 3, 558
AFFORESTATION 1989, 3, 288
AGRICULTURAL CHEMICALS 1989, 3, 522
AGRICULTURE 1989, 3, 89
1989, 3, 351
ALGAE 1989, 3, 387
1989, 3, 443
ALLYLTHIOUREA 1989, 3, 366
ANALYTICAL QUALITY CONTROL 1989, 3, 366
ANIMALS (INVERTEBRATES) 1989, 3, 496
ANNUAL GENERAL MEETING 1989, 3, 529
ANOXIC CONDITIONS 1989, 3, 75
APPORTIONMENT 1989, 3, 579
AQUATIC ENVIRONMENTS 1989, 3, 436
AQUATIC MACROPHYTES (GRAMINEAE) 1989, 3, 60
1989, 3, 201
AQUIFERS 1989, 3, 413
ASSIMILATIVE CAPACITY 1989, 3, 588
AUTOMATION 1989, 3, 459

BACTERIA 1989, 3, 345
Enterobacteriaceae
Escherichia 1989, 3, 488
Faecal 1989, 3, 465
BALSOM, ERNEST, LECTURE 1989, 3, 219
BATHING 1989, 3, 13
BATHING PLACES 1989, 3, 488
BEACH 1989, 3, 101
BIOASSAYS 1989, 3, 356
BIOLOGICAL REACTORS 1989, 3, 75
1989, 3, 252
BIOLOGICAL TREATMENT 1989, 3, 154
BOOK REVIEWS 1989, 3, 97
1989, 3, 215
1989, 3, 309
1989, 3, 426
1989, 3, 527
1989, 3, 530
BUBBLE AERATION 1989, 3, 262
BUILDING AND CONSTRUCTION 1989, 3, 243

CALCIUM SULPHATE 1989, 3, 227
CALIBRATION 1989, 3, 366
CASCADE 1989, 3, 252
CATCHMENT AREAS 1989, 3, 558
CATEGORIZATION 1989, 3, 336
CEMENT 1989, 3, 125
CHANNELS 1989, 3, 101
CHARGES 1989, 3, 182
1989, 3, 579
Effluent 1989, 3, 387
CHEMICAL INHIBITORS 1989, 3, 366
CHEMISTRY 1989, 3, 125
CHLORAMINES 1989, 3, 604
CHLORINATION 1989, 3, 50
CHLORINE 1989, 3, 604
CHLORINE OXIDES 1989, 3, 604
CHLOROPHENOLS 1989, 3, 496
1989, 3, 599
CHROMATOGRAPHY 1989, 3, 273
CLASSIFICATION 1989, 3, 336
CLAYS 1989, 3, 125
CLIMATE 1989, 3, 451
COAGULATION 1989, 3, 50
1989, 3, 75
COASTAL STRUCTURES 1989, 3, 101
COASTAL WATERS 1989, 3, 465
COMMUNITY PARTICIPATION 1989, 3, 188
COMPACTION 1989, 3, 505
COMPUTER 1989, 3, 478
CONCEPTS 1989, 3, 89
CONSENTS 1989, 3, 356
CONSOLIDATION 1989, 3, 505
CONSORTIA 1989, 3, 235
CONSTRAINTS (PHYSICAL) 1989, 3, 478
CONSTRUCTION GRANT 1989, 3, 147
CONTAMINATION 1989, 3, 517
CONTRACTS 1989, 3, 235
1989, 3, 239
1989, 3, 243
CONTROL 1989, 3, 397
CONTROL OF POLLUTION ACT 1974 1989, 3, 260
CONVERGENCE 1989, 3, 465
COST EFFECTIVENESS 1989, 3, 27
1989, 3, 551
COSTS 1989, 3, 154
1989, 3, 168
1989, 3, 375
1989, 3, 564
1989, 3, 583
CRISIS EVENTS 1989, 3, 22
CROPS 1989, 3, 451
CUSTOMER AWARENESS 1989, 3, 323

DAMS 1989, 3, 188
DEEP SHAFT PROCESS 1989, 3, 280
DEFICIENCY (TECHNICAL) 1989, 3, 323
DENITRIFICATION 1989, 3, 75
1989, 3, 262
1989, 3, 273
DESIGN 1989, 3, 60
1989, 3, 239
1989, 3, 243
DEVELOPING COUNTRIES 1989, 3, 82
1989, 3, 188
DIELDRIN 1989, 3, 496
DILUTION 1989, 3, 356

DISEASES 1989, 3, 522
Gastro-intestinal 1989, 3, 13
Waterborne 1989, 3, 6
DISINFECTION 1989, 3, 604
1989, 3, 612
DISPERSION 1989, 3, 252
DISTRIBUTION 1989, 3, 564
DOSING 1989, 3, 6
1989, 3, 50
DRAINAGE 1989, 3, 551

EARTH BONDING 1989, 3, 579
EARTHING 1989, 3, 579
ECONOMICS 1989, 3, 551
EFFICIENCY 1989, 3, 478
EFFLUENT 1989, 3, 227
EFFLUENT QUALITY 1989, 3, 533
ELECTRODES (OXYGEN) 1989, 3, 366
ENVIRONMENTAL QUALITY 1989, 3, 436
EPIDEMIOLOGY 1989, 3, 13
EUTROPHICATION 1989, 3, 288

FARMS AND FARMING 1989, 3, 517
FERTILIZATION 1989, 3, 351
FERTILIZERS 1989, 3, 522
FIELD STUDIES 1989, 3, 356
FILTER PRESSES 1989, 3, 50
FILTERS (RAPID) 1989, 3, 50
1989, 3, 443
FILTRATION 1989, 3, 564
Biological 1989, 3, 583
FINANCE 1989, 3, 147
FLOOD CONTROL 1989, 3, 375
FLOOD FREQUENCY 1989, 3, 375
FLOODS AND FLOODING 1989, 3, 27
1989, 3, 375
1989, 3, 404
FLOTATION PROCESSES 1989, 3, 564
FLOW MEASUREMENT 1989, 3, 404
FLUE GAS CLEANING 1989, 3, 227
FUELS 1989, 3, 227

GARNET 1989, 3, 443
GRANTS
City 1989, 3, 147
Construction 1989, 3, 147
Derelict land 1989, 3, 147
GRAVEL 1989, 3, 60
GROUNDWATER 1989, 3, 82
1989, 3, 109
1989, 3, 413
1989, 3, 517
GUARANTEES 1989, 3, 235
1989, 3, 239

HAZARDOUS MATERIALS 1989, 3, 436
HEALTH 1989, 3, 27
HER MAJESTY'S INSPECTORATE OF POLLUTION 1989, 3, 387
HOLLAND 1989, 3, 168
HYBRID SCHEMES 1989, 3, 89
HYDROGRAPHS 1989, 3, 375
HYDROGRAPHY 1989, 3, 356
HYDROLOGY 1989, 3, 558

IMPORTATION 1989, 3, 168
INDUSTRIAL WASTE WATERS 1989, 3, 280
INSTITUTION BEQUESTS 1989, 3, 423
INSTITUTION NEWS 1989, 3, 1
1989, 3, 99
1989, 3, 217
1989, 3, 313
INSTITUTION STUDY TOUR 1989, 3, 198
INSTITUTION SUBMISSIONS TO OTHER BODIES 1989, 3, 3
1989, 3, 317
INSTRUMENTATION 1989, 3, 459
INSURANCE 1989, 3, 43
INTERSTITIAL WATERS 1989, 3, 465
ION EXCHANGE 1989, 3, 154
IRON 1989, 3, 82
IRON SULPHATES 1989, 3, 397
IRRIGATION 1989, 3, 451

JETS 1989, 3, 89

KINETICS (MONOD) 1989, 3, 252

LAND RECLAMATION 1989, 3, 147
LAND TREATMENT 1989, 3, 201
1989, 3, 588
LANDFILLS 1989, 3, 31
LAW 1989, 3, 168
1989, 3, 351
1989, 3, 467
LEACHATE 1989, 3, 31
1989, 3, 288
LEGISLATION
EEC 1989, 3 ,599
On bathing areas 1989, 3, 465
1989, 3, 612
On drinking water 1989, 3, 323
On water supplies 1989, 3, 548
LIABILITIES 1989, 3, 168
LICENCES AND LICENSING 1989, 3, 451
LIMITS 1989, 3, 436
LIST I SUBSTANCE 1989, 3, 599
LITHOSPHERE 1989, 3, 109
LITTORAL FORCES 1989, 3, 101
LOCAL PARTNERS 1989, 3, 188

MAINTENANCE 1989, 3, 478
1989, 3, 583
MALAWI 1989, 3, 619
MANAGEMENT 1989, 3, 109
1989, 3, 336
MANPOWER 1989, 3, 478
MAXIMAL PERMISSIBLE CONCENTRATIONS 1989, 3, 6
1989, 3, 50
MEDIA 1989, 3, 60
METERING 1989, 3, 182
1989, 3, 579
METERS 1989, 3, 182
MIDDLE EAST 1989, 3, 413
MIXED LIQUOR 1989, 3, 262
MIXING ZONES 1989, 3, 356
MODELLING 1989, 3, 252
1989, 3, 227
Calibration 1989, 3, 375
Dynamic 1989, 3, 375
Plume development 1989, 3, 356
MONITORING 1989, 3, 109
1989, 3, 295

NATIONAL RIVERS AUTHORITY 1989, 3, 387
NEGOTIATIONS 1989, 3, 235
NETWORK ANALYSIS 1989, 3, 22
NEW RIVER 1989, 3, 478
NITRATE 1989, 3, 154
1989, 3, 517
NITRATE SENSITIVE AREAS 1989, 3, 548
NITRIFICATION 1989, 3, 262
1989, 3, 366
NORFOLK BROADS 1989, 3, 387
NORTH SEA DECLARATION 1989, 3, 387

OBITUARIES
Dangerfield, B. J. 1989, 3, 96
Drake, R. A. R. 1989, 3, 214
Denholm, E. W. 1989, 3, 311
Wolman, A. 1989, 3, 312
Pearson, R. F. 1989, 3, 424
Joseph, J. D. 1989, 3, 527
Kershaw, M. A. 1989, 3, 623
ODOUR CONTROL 1989, 3, 135
OPTIMIZATION 1989, 3, 22
OPTIONS 1989, 3, 168
ORGANIC 1989, 3, 366
ORGANIC COMPOUNDS 1989, 3, 6
1989, 3, 125
ORGANIC FARMING 1989, 3, 522
ORGANIC REMOVAL 1989, 3, 174
ORIFICES 1989, 3, 89
OUTFALLS (SEA) 1989, 3, 135
OXIDATION REDUCTION POTENTIAL 1989, 3, 397
OXYGEN (DISSOLVED) 1989, 3, 262
OXYGEN DEMAND 1989, 3, 60
Biochemical 1989, 3, 366
OZONE 1989, 3, 604

PACKAGE PLANTS 1989, 3, 583
PATHOGENIC ORGANISMS 1989, 3, 345
1989, 3, 351
1989, 3, 612
PERFORMANCE 1989, 3, 60
1989, 3, 235
1989, 3, 239
1989, 3, 588
PERMANGANATE 1989, 3, 604
PEST MANAGEMENT 1989, 3, 522
PESTICIDES 1989, 3, 517
1989, 3, 522
PESTS 1989, 3, 522
PHARMACEUTICAL WASTE WATERS 1989, 3, 356
PHOSPHATES 1989, 3, 387
1989, 3, 517
PHOSPHORUS 1989, 3, 60
PIGGERIES WASTE WATERS 1989, 3, 75
PLANKTON 1989, 3, 443
PLANTING 1989, 3, 60
PLASTICS 1989, 3, 82
PLUG FLOW 1989, 3, 252
POLE SCYTHE 1989, 3, 478
POLITICS 1989, 3, 467
POLLUTANTS 1989, 3, 351
POLLUTION 1989, 3, 109
1989, 3, 467
1989, 3, 517
1989, 3, 548
Environmental 1989, 3, 227
1989, 3, 478
1989, 3, 551
Groundwater 1989, 3, 31
1989, 3, 295
Soil 1989, 3, 147
Surface water 1989, 3, 569
POLLUTION CONTROL 1989, 3, 387
1989, 3, 436
POLLUTION INDICATORS 1989, 3, 13
1989, 3, 488
POLLUTION TRANSFER 1989, 3, 227
POLYELECTROLYSIS 1989, 3, 50
POWER GENERATION 1989, 3, 227
PRE-SELECTION 1989, 3, 235
PRELIMINARY TREATMENT 1989, 3, 533
PREMIUMS (INSURANCE) 1989, 3, 43
PRESERVATIVES 1989, 3, 496
PRESIDENT 1989, 3, 429
PRESIDENTIAL ADDRESS 1989, 3, 430
PRIVATIZATION 1989, 3, 387
PROBABILITY ANALYSIS 1989, 3, 22
PUBLIC LIABILITY 1989, 3, 43
PUBLICITY 1989, 3, 323
PULSATION 1989, 3, 135
PUMPS 1989, 3, 135

QUALITY 1989, 3, 564
Microbiological 1989, 3, 82
QUALITY CONTROL 1989, 3, 239

RADIOACTIVE WASTES 1989, 3, 31
RATEABLE VALUE 1989, 3, 579
RECYCLING 1989, 3, 252
RED BOOK 1989, 3, 239
RED LIST 1989, 3, 387
REED BED TREATMENT 1989, 3, 588
REED BED TREATMENT SYSTEMS 1989, 3, 60
REMOTE SENSING 1989, 3, 558
RESEARCH 1989, 3, 60
RESERVOIRS 1989, 3, 50
RISK ANALYSIS 1989, 3, 13
1989, 3, 22
RISK ASSESSMENT 1989, 3, 6
1989, 3, 43
RISK MANAGEMENT 1989, 3, 43
1989, 3, 235
RIVER CHANNEL CHANGES 1989, 3, 328
RIVER MANAGEMENT 1989, 3, 328
RIVER MONITORING 1989, 3, 375
ROOT ZONE METHOD 1989, 3, 60
RUNOFF 1989, 3, 558
Urban 1989, 3, 116
RURAL AREAS 1989, 3, 564

SANITATION 1989, 3, 295
SCHEME 1989, 3, 375
SCOUR PREVENTION 1989, 3, 101
SCREENS AND SCREENING 1989, 3, 533
SEA DISPOSAL 1989, 3, 356
1989, 3, 533
1989, 3, 612
SEDIMENT 1989, 3, 273
1989, 3, 569
SEPARATORS 1989, 3, 135
SERVICES (LEVELS OF) 1989, 3, 22

SEWAGE 1989, 3, 201
1989, 3, 533
SEWAGE SLUDGE 1989, 3, 351
SEWAGE TREATMENT 1989, 3, 60
1989, 3, 280
SEWAGE WORKS (PREFABRICATED) 1989, 3, 583
SEWER RENOVATION 1989, 3, 135
SEWERAGE (COMBINED) 1989, 3, 569
SHORE 1989, 3, 101
SLUDGE SETTLEABILITY 1989, 3, 75
SMALL SEWAGE WORKS 1989, 3, 280
SOIL 1989, 3, 60
SOIL HORIZONS 1989, 3, 201
SOIL/WATER SYSTEMS 1989, 3, 451
SOLIDIFICATION 1989, 3, 125
SOLIDS (PERSISTENT) 1989, 3, 533
SOURCE CONTROL 1989, 3, 116
SPILLS 1989, 3, 496
SPRING PROTECTION 1989, 3, 188
STABILITY 1989, 3, 366
STABILIZATION 1989, 3, 125
STANDARDS 1989, 3, 239
1989, 3, 366
Drinking water 1989, 3, 6
Emission 1989, 3, 583
Microbiological 1989, 3, 50
Water quality 1989, 3, 13
1989, 3, 488
STAPHYLOCOCCUS 1989, 3, 488
STATISTICAL ANALYSIS 1989, 3, 467
STORAGE 1989, 3, 366
STORM OVERFLOWS 1989, 3, 569
STREAMS 1989, 3, 273
In natural channels 1989, 3, 478
SUPPLY SECURITY 1989, 3, 22
SURVEY 1989, 3, 328
SUSPENDED SOLIDS 1989, 3, 60
SWIMMMING 1989, 3, 13

TANKS 1989, 3, 60
Sedimentation 1989, 3, 50
TECHNICAL NOTES 1989, 3, 212
TECHNICAL PAPERS 1989, 3, 208
1989, 3, 305
TECHNOLOGY 1989, 3, 478
TELEMETRY 1989, 3, 459
TEMPERATURE 1989, 3, 366
THERMAL SHOCK 1989, 3, 345
THICKENING 1989, 3, 505
TIDES 1989, 3, 101
TIN (ORGANIC COMPOUNDS) 1989, 3, 496
TOILETS 1989, 3, 295
TOXIC SUBSTANCES 1989, 3, 356
TOXICITY 1989, 3, 336
TOXICITY TESTS 1989, 3, 356
TRACERS 1989, 3, 356
TRACING TECHNIQUES 1989, 3, 356
TREATMENT 1989, 3, 168
1989, 3, 467
TRIHALOMETHANE 1989, 3, 564
TURKEY (REPORT) 1989, 3, 303
TURNKEY 1989, 3, 235

UNDERWRITERS 1989, 3, 43
URBAN AREAS 1989, 3, 147

VALVES 1989, 3, 89

WASH WATER 1989, 3, 50
WASTE 1989, 3, 109
1989, 3, 125
WASTE DISPOSAL 1989, 3, 31
WASTEWATER 1989, 3, 533
WATER 1989, 3, 50
WATER INDUSTRY 1989, 3, 243
WATER POLLUTION CONTROL 1989, 3, 387
WATER PROTECTION ZONES 1989, 3, 548
WATER QUALITY
Natural waters 1989, 3, 13
1989, 3, 116
1989, 3, 496
Treated waters 1989, 3, 288
WATER QUALITY INDEX 1989, 3, 336
WATER SUPPLIES 1989, 3, 22
1989, 3, 82
1989, 3, 109
1989, 3, 323
Potable 1989, 3, 188
1989, 3, 345
1989, 3, 604
WATER TREATMENT 1989, 3, 154
1989, 3, 174
WATERAID 1989, 3, 188
WATERING STOCK 1989, 3, 89
WELL YIELD 1989, 3, 413
WELLS 1989, 3, 188
1989, 3, 413

YIELD (WATER) 1989, 3, 288

Author Index

ACREMAN, M.C.	Extreme Historical UK Floods and Maximum Flood Estimation	1989, 3, 404
AGG, A.R. ZABEL, T.F.	EC Directive on the Control of Dangerous Substances (76/464/EEC): Its Impact on the UK Water Industry	1989, 3, 436
ARMSTRONG, B.J.	See GREENHALGH et al.	
ARMSTRONG, R.B. FOXLEY, J.C. BENNETT, N.J. MORLEY, R.G.	Hastings and Bexhill Drainage and Sea Outfall Schemes	1989, 3, 135
BACHE, D.H.	See BAYES et al.	
BAGGALEY, R.	See BRIENS et al.	
BAILEY, R.J. MINHINICK, J.	The Agricultural Requirement for Irrigation Water	1989, 3, 451
BANKS, D.J. FALCONER, R.H.	The White Cart Water Flood Alleviation Study Using Hydrodynamic Mathematical-Modelling Techniques	1989, 3, 375
BATY, R.	See TAYLOR et al.	
BAXTER, K.	Review of International Swimming Pool Water Quality Controls	1989, 3, 212
BAYES, C.D. BACHE, D.H. DICKSON, R.A.	Land-Treatment Systems: Design and Performance with Special Reference to Reed Beds	1989, 3, 588
BECK, L.	A Review of Farm Waste Pollution	1989, 3, 467
BENNETT, N.J.	See ARMSTRONG et al.	
BESSEY, S.G.	Problems Encountered in the Hotwells Distict Small-Scale Metering Trial	1989, 3, 579
BISS, M.A.	See IRWIN et al.	
BLACK, J.	Young Members' Study Tour, 1988	1989, 3, 198
BREACH, R.A.	The EC Directive on Drinking Water (EEC 80/778)	1989, 3, 323
BRIENS, P.J. LYON, D.K. BAGGALEY, R.	Operating Experiences at Langsett Water Treatment Works	1989, 3, 50
BRIGNAL, W.J.	See IRWIN et al.	
BROWN, S.J.	See THOMAS et al.	
BUCKLEY, D.	See GRAHAM et al.	
BURKE, C.	See WARD & BURKE	
BURTON, T.P.	The Control of Pollution Act 1974, Part II Registers - Promoting the Public Interest?	1989, 3, 260
CAMPBELL, D. RIDGWAY, I.M.	The Elimination of Pentachlorophenol Pollution from the Forth Catchment	1989, 3, 599
CHALK, E. WHEALE, G.	The Root-Zone Process at Holtby Sewage-Treatment Works	1989, 3, 201

CHILTON, P.J.	See LEWIS & CHILTON	
CHOI, C.C.	See WONG & CHOI	
COLBOURNE, J.S. DENNIS, P.J.	The Ecology and Survival of Legionella Pneumophila	1989, 3, 345
COOK, S.C.	See WARREN et al.	
COOPER, P.F. HOBSON, J.A. JONES, S.	Sewage Treatment by Reed Bed Systems	1989, 3, 60
COTRUVO, J.A.	Drinking Water Standards and Risk assessment	1989, 3, 6
CRABTREE, R.W.	Sediments in Sewers	1989, 3, 569
CROLL, B.	See GRAHAM et al.	
CROOK, B.V.	See KERRISON et al.	
CURRAN, J.C.	The EC Bathing Water Directive: A Sampling Problem	1989, 3, 465
	See HAIG et al.	
DAVEY, J.C.	Wellfield Development for Urban Water Supplies in PDR Yemen	1989, 3, 413
DAVIS, R.D.	Agricultural Utilization of Sewage Sludge: A Review	1989, 3, 351
DAY, M.	See HOYLAND et al.	
DEE, A.	See HOYLAND et al.	
DENNIS, P.J.	See COLBOURNE & DENNIS	
DICKSON, R.A.	See BAYES et al.	
DRAGE, B.E.	See JAMES & DRAGE	
EDWORTHY, K.J.	Waste Disposal and Groundwater Management	1989, 3, 109
ELLIS, J.B.	The Management and Control of Urban Runoff Quality	1989, 3, 116
EVANS, H.R.	Hampstead Aqueducts, Established 1543	1989, 3, 423
FAIRBURN, B.A. WISE, H.R.	The New Zealand Rural Water Supply Concept and the Developing World	1989, 3, 89
FALCONER, R.H.	See BANKS & FALCONER	
FANNER, P.	See WARREN et al.	
FINCH, J. REID, A. ROBERTS, G.	The Application of Remote Sensing to Estimate Land Cover for Urban Drainage Catchment Modelling	1989, 3, 558
FOXLEY, J.C.	See ARMSTRONG et al.	
GADBURY, D. HALL, M.J.	Metering Trials for Water Supply	1989, 3, 182
GIBSON, D.C.	Design and Construct Contracts in the Water Industry - The Way Ahead? The Consultant's Viewpoint	1989, 3, 243
GORDON, A.L.	Instrumentation, Control and Automation: the Grampian Way	1989, 3, 459

GRAHAM, N.J.D. REYNOLDS, G. BUCKLEY, D. PERRY, R. CROLL, B.	Laboratory Simulation of Disinfection Regimes for Trihalomethane Control	1989, 3, 604
GREEN, C.H. PENNING-ROWSELL, E.C.	Flooding and the Quantification of 'Intangibles'	1989, 3, 27
GREENE, L.A. TAYLOR, J.A.	Catchment Afforestation and Water Supply in Strathclyde Region	1989, 3, 288
GREENHALGH, S.H. ARMSTRONG, B.J. KERSLAKE, J.E.A.	Design and Construct Contracts in the Water Industry - The Way Ahead? The Contractor's Viewpoint	1989, 3, 239
HAIG, A.J.N. CURRAN, J.C. REDSHAW, C.J. KERR, R.	Use of Mixing Zone to Derive a Toxicity Test Consent Condition	1989, 3, 356
HALL, M.J.	See GADBURY & HALL	
HARRINGTON, D.W.	See THOMAS et al.	
HARRYMAN, M.B.M.	Water Source Protection and Protection Zones	1989, 3, 548
HEADWORTH, H.G.	Contamination of Groundwaters from Diffuse Sources arising from Farming Activities	1989, 3, 517
HEATON, R.	See TAYLOR et al.	
HOBSON, J.A.	See COOPER et al.	
HOLMES, A.E.	The Seaford Sea Defence Scheme	1989, 3, 101
HOLMES, P.R.	Research into Health Risks at Bathing Beaches in Hong Kong	1989, 3, 488
HOOKE, J.M. REDMOND, C.E.	River-Channel Changes in England and Wales	1989, 3, 328
HOPKINSON, L.M.	See RUDD et al.	
HOUSE, M.A.	A Water Quality Index for River Management	1989, 3, 336
HOYLAND, G. DEE, A. DAY, M.	Optimum Design of Sewage Sludge Consolidation Tanks	1989, 3, 505
HURLEY, B.S.	Hazardous Waste: Future Consideration	1989, 3, 168
HYDE, R.A.	Application of Granular Activated Carbon in the Water Industry	1989, 3, 174
IRONSIDE, C.D.	Private Sector Funding for Redevelopment of Contaminated Land	1989, 3, 147
IRWIN, R.A. BRIGNAL, W.J. BISS, M.A.	Experiences with the Deep-shaft Process at Tilbury	1989, 3, 280
JAMES, D.B. DRAGE, B.E.	Improving Rural Supplies in Northumberland	1989, 3, 564
JONES, S.	See COOPER et al.	

KAY, D.	See WYER & KAY	
KERR, R.	See HAIG et al.	
KERRISON, P.H. McEWEN, B. PHILLIPS, G.L. CROOK, B.V.	The Use of Redox Potential to Control Ferric Sulphate Dosing during Phosphate Removal	1989, 3, 397
KERSLAKE, J.E.A.	See GREENHALGH et al.	
KINNERSLY, D.	River Basin Management and Privatization	1989, 3, 219
LACEY, R.F. PIKE, E.B.	Water Recreation and Risk	1989, 3, 13
LANE, G.	See MARTINDALE & LANE	
LEWIS, W.J. CHILTON, P.J.	The Impact of Plastic Materials on Iron Levels in Village Groundwater Supplies in Malawi	1989, 3, 82
LUMBERS,J.P.	See WARREN et al.	
LYON, D.K.	See BRIENS et al.	
MACDOUGALL, N.A.	A Report from Malawi, Africa	1989, 3, 619
MALCOLM, J.	The Use of Chemicals in Agriculture	1989, 3, 522
MARTINDALE, R.R. LANE, G.	Trade Effluent Control: Prospects for the 1990s	1989, 3, 387
MATHER, J.D.	Groundwater Pollution and the Disposal of Hazardous and Radioactive Wastes	1989, 3, 31
MINHINICK, J.	See BAILEY & MINHINICK	
MORLEY, R.G.	See ARMSTRONG et al.	
MORRIS, J.	Land Drainage: Agricultural Benefits and Environmental Impacts	1989, 3, 551
MUIR, J.K.	A Report from Turkey	1989, 3, 303
MUSLU, Y.	A Numerical Approach to Multi-stage Bioreactor Kinetics	1989, 3, 252
McEWEN, B.	See KERRISON et al.	
McNEILL, A.	The Effects of a Timber Preservative Spillage on the Ecology of the River Lossie	1989, 3, 496
PENNING-ROWSELL, E.C.	See GREEN & PENNING-ROWSELL	
PERRY, R.	See SOLLARS & PERRY See GRAHAM et al.	
PHILLIPS, G.L.	See KERRISON et al.	
PIKE, E.B.	See LACEY & PIKE	
REDSHAW, C.J.	See HAIG et al.	
REDMOND, C.E.	See HOOKE & REDMOND	
REID, A.	See FINCH et al.	
REPUBLIC OF IRELAND BRANCH	Submission to Irish Government on National Development Plan, 1989-1993	1989, 3, 317
REYNOLDS, G.	See GRAHAM et al.	

RICHARD, Y.R.	Operating Experiences of Full-Scale Biological and Ion-Exchange Denitrification Plants in France	1989, 3, 154
RICHARDSON, I.A.	WaterAid and the Third World - a Partnership in Low-cost Technology	1989, 3, 188
RIDGWAY, I.M.	See CAMPBELL & RIDGWAY	
ROBERTS, G.	See FINCH et al.	
RUDD, T. HOPKINSON, L.M.	Comparison of Disinfection Techniques for Sewage and Sewage Effluents	1989, 3, 612
SALTHOUSE, R.J.W.	Insurance, Risk Improvement and Management	1989, 3, 43
SHAW, R.	See TYERS & SHAW	
SMITH, A.B.	Taming a River with New Technology	1989, 3, 478
SOLLARS, C.J. PERRY, R.	Cement-based Stabilization of Wastes: Practical and Theoretical Considerations	1989, 3, 125
STOODLEY, A.E.	Operational Experiences with Package Filter Sewage-Treatment Plants	1989, 3, 583
TAYLOR, J.A.	See GREENE & TAYLOR	
TAYLOR, M.R.G. HEATON, R. BATY, R.	The Impact of Flue-gas Desulphurization on the Water Environment	1989, 3, 227
TEBBUTT, T.H.Y.	Biographical Note Presidential Address	1989, 3, 429 1989, 3, 430
THOMAS, D.K. BROWN, S.J. HARRINGTON, D.W.	Screening at Marine Outfall Headworks	1989, 3, 533
TYERS, R.G. SHAW, R.	Refinements to the BOD Test	1989, 3, 366
WALLIS, B.F.J.	Improvements to Activated-Sludge Plant Aeration Systems at Hawick and Jedburgh Sewage-Treatment Works	1989, 3, 262
WARD, A.I. BURKE, C.	Design and Construct Contracts in the Water Industry - The Way Ahead? The Client's Viewpoint	1989, 3, 235
WARD, C.F.	Groundwater Quality Monitoring in Relation to On-site Sanitation in Developing Countries	1989, 3, 295
WARREN, R.P. COOK, S.C. LUMBERS, J.P. FANNER, P.	Optimization of Water Supply Systems: Risk Anaylsis and Reliability of Supply	1989, 3, 22
WATSON, A.	Comparison of Algal Penetration Through Rapid-Gravity Filter Beds	1989, 3, 443
WHEALE, G.	See CHALK & WHEALE	
WISE, H.R.	See FAIRBURN & WISE	
WONG, S.H. CHOI, C.C.	Pilot Scale Aerobic Sequencing Batch Reactor for Pig Waste Treatment	1989, 3, 75
WYER, M. KAY, D.	Experimental Assessment of Rates of Nitrate Removal by River Bed Sediments	1989, 3, 273
ZABEL, T.F.	See AGG & ZABEL	